

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Original) A composition, comprising:
a first salt of a first metal;
a second salt of a second metal;
a third salt of a rare earth metal,
wherein at least one of the first, second and third salts comprises a trifluoroacetate and the composition has a total free acid concentration of less than about 1×10^{-3} molar.
2. (Original) The composition of claim 1, wherein the composition has a total free acid concentration of less than about 1×10^{-5} molar.
3. (Original). The composition of claim 1, wherein the composition has a total free acid concentration of about 1×10^{-7} molar.
4. (Original) The composition of claim 1, wherein the composition has a mole ratio of fluorine to the second metal of at least about two.
5. (Original) The composition of claim 1, wherein the composition has a mole ratio of fluorine to the second metal of from about two to about 18.5.
6. (Original) The composition of claim 1, wherein the composition has a mole ratio of fluorine to the second metal of from about two to about 10.

7. (Original) The composition of claim 1, wherein the first metal comprises copper and the second metal is selected from the group consisting of barium, strontium and calcium.

8. (Original) The composition of claim 7, wherein the rare earth metal comprises yttrium.

9. (Original) The composition of claim 1, wherein the first metal comprises copper, the second metal comprises barium and the third metal comprises yttrium.

10. (Original) The composition of claim 9, wherein a ratio of copper atoms to barium atoms to yttrium atoms contained in the solution is about 3:2:1.

11. (Original) The composition of claim 1, wherein the composition is disposed on a surface of a layer.

12. (Original) The composition of claim 11, wherein the layer comprises a material selected from the group consisting of a substrate, a buffer layer and a superconductor layer.

13. (Original) The composition of claim 1, further comprising water, wherein the composition has a water content of less than about 50 volume percent.

14. (Original) The composition of claim 13, wherein the water content is less than about 35 volume percent.

15. (Original) The composition of claim 13, wherein the water content is less than about 25 volume percent.

16. (Original) The composition of claim 1, wherein at least two of the first, second and third salts comprises trifluoroacetates.

17. (Original) The composition of claim 1, wherein each of the first, second and third salts comprise trifluoroacetates.

18. (Original) A composition, comprising:

- a first salt of a first metal;
- a second salt of a second metal;
- a third salt of a rare earth metal,

wherein at least one of the first, second and third salts comprises a trifluoroacetate and the composition has a mole ratio of fluorine to the second metal of from about two to about 18.5.

19. (Original) The composition of claim 18, wherein the composition has a mole ratio of fluorine to the second metal of from about two to about 10.

20. (Original) The composition of claim 18, wherein the first metal comprises copper and the second metal is selected from the group consisting of barium, strontium and calcium.

21. (Original) The composition of claim 20, wherein the rare earth metal comprises yttrium.

22. (Original) The composition of claim 18, wherein the first metal comprises copper, the second metal comprises barium and the third metal comprises yttrium.

23. (Original) The composition of claim 22, wherein a ratio of copper atoms to barium atoms to yttrium atoms contained in the solution is about 3:2:1.

24. (Original) The composition of claim 18, wherein the composition is disposed on a surface of layer.

25. (Original) The composition of claim 24, wherein the layer comprises a material selected from the group consisting of a substrate, a buffer layer and a superconductor layer.

26. (Original) The composition of claim 18, further comprising water, wherein the composition has a water content of less than about 50 volume percent.

27. (Original) The composition of claim 26, wherein the water content is less than about 35 volume percent.

28. (Original) The composition of claim 26, wherein the water content is less than about 25 volume percent.

29. (Original) The composition of claim 18, wherein at least two of the first, second and third salts comprises trifluoroacetates.

30. (Original) The composition of claim 18, wherein each of the first, second and third salts comprise trifluoroacetates.